

Amendments to the claims:

This listing of claims will replace all prior versions, and listings of the claims in the application:

Claims 1-13 (canceled)

Claim 14 (currently amended): A shift catalyst comprising platinum, palladium, iron and cerium oxide on finely divided aluminum oxide support material.

Claim 15 (currently amended): A shift catalyst according to claim 14, wherein the catalyst is deposited on an inert ~~support~~ carrier in the form of a coating.

Claim 16 (currently amended): A shift catalyst according to claim 15, wherein the catalyst further comprises iron and cerium oxide on the finely divided aluminum oxide support material in an amount of 1 to 50 weight % with respect to the total weight of the ~~inert~~ support material.

Claim 17 (currently amended): A shift catalyst according to claim ~~[[15]]~~ 16, wherein the finely divided aluminum oxide is further doped with redox-active metal oxides of cerium, zirconium, titanium, vanadium, manganese, iron or combinations thereof ~~inert support is ceramic or metal, open cell, ceramic or metallic foam elements, metal sheet, heat exchanger plates or irregularly shaped elements.~~

Claim 18 (previously presented): A shift catalyst according to claim 14, wherein the catalyst operates at a temperature of between about 180 to 550°C.

Claim 19 (previously presented): A shift catalyst according to claim 14, wherein a gas mixture containing from 2 to 40 vol.% of carbon monoxide is passed over the catalyst.

Claim 20 (previously presented): A shift catalyst according to claim 19, wherein the catalyst operates at a temperature of between 180 and 300°C and the gas mixture contains 2 to 15 vol% carbon monoxide.

Claim 21 (previously presented): A shift catalyst according to claim 20, wherein the gas mixture is passed over the catalyst at a space velocity between an idling space velocity and 100,000 h⁻¹ and at a pressure between atmospheric pressure and 10 bar, where the space velocity refers to volume of the inert carrier support coated with the catalyst.

Claim 22 (previously presented): A shift catalyst according to claim 21, wherein the space velocity ranges between idling space velocity and less than 60,000 h⁻¹.

Claim 23 (previously presented): A shift catalyst according to claim 18, wherein the operating temperature of the shift catalyst lies between 280 and 550°C.

Claim 24 (previously presented): A first shift catalyst comprising platinum, palladium, iron and cerium oxide on finely divided aluminum oxide, the first shift catalyst having an operating temperature of between 280 and 550°C and a second shift catalyst with an operating temperature between 180 and 300°C.

Claim 25 (previously presented): A first and second shift catalyst according to claim 24, wherein a gas mixture having a temperature between 300 and 600°C enters the first shift catalyst and is then passed over the second shift catalyst, wherein the gas mixture is cooled to the operating temperature of the second shift catalyst before contact with it.

Claim 26 (previously presented): A shift catalyst according to claim 14, wherein the catalyst is insensitive to oxygen in an educt gas mixture.

Claim 27 (previously presented): A shift catalyst according to claim 14, wherein the catalyst is not deactivated by contact with oxygen.

Claim 28 (previously presented): A method for operating a shift catalyst according to claim 14, wherein the catalyst is insensitive to oxygen in an educt gas mixture.

Claim 29 (new): A shift catalyst according to claim 15, wherein the inert carrier is a honeycomb element of ceramic or metal, an open-cell ceramic, or metallic foam element, a metal sheet, a heat exchanger plate or an irregularly shaped element.